

**Amendments to the Specification:**

After the paragraph ending at page 5, line 24, please add the following new paragraph:

FIG. 8 shows the illumination system of FIG. 3 further including a projection lens.

Please replace the paragraph beginning at page 5, line 27, with the following rewritten paragraph:

Fig. 1 shows a prior art optical system comprising a rod-type light guide. A LED 101 is located at the entrance face of a light guide 102. The LED 101 emits light in all directions, but the light beams can be modeled as being comprised in one of two possible different angular intervals 103, 105. Light beams of the first angular interval 103 are beams having a “large” angle with respect to the optical axis 104, and light beams of the second angular interval 105 are beams having a “small” angle with respect to the optical axis 104. The light beams pertaining to the second angular interval 105 will subsequently pass the pupil of the projection lens ~~(not shown)~~ (see, e.g., FIG. 8), while light beams of the first angular interval 103 will be blocked at the pupil of the projection lens. The physical length of the rod-type light guide 102 is mainly set by the light beams of the second angular interval 105. The length need to be long enough, such that the light beams of the second angular interval 105 in the light guide 102 will be reflected against the inner surface of the guide 102 a sufficient number of times to obtain a homogeneous illumination at the exit face of the light guide 104.